



# IES/SharedEPR Summer School on EPR Spectroscopy

University of Denver, July 17 – July 21, 2019

The International EPR/ESR Society (IES) and the NSF-supported SharedEPR Network are co-sponsoring an EPR summer school to be held at the University of Denver immediately preceding the Rocky Mountain Conference on Magnetic Resonance. The school will concentrate on introductory material and thus will be appropriate for researchers with little or no experience in EPR who want to gain both an understanding of the underlying principles as well practical experience in EPR. Instructors for the courses will be internationally renowned experts in the field of EPR from both academia and industry and will be available for extended question and discussion sessions.

## Lecture and tutorial topics

- Basics of continuous-wave EPR
- Hyperfine coupling and  $g$  anisotropy
- Analysis of EPR spectra
- Basics of pulse EPR
- Principles of metal ion and nitroxide EPR

## Hands-on practical training in

- Continuous-wave EPR of organic radicals
- Continuous-wave EPR of nitroxides
- Continuous wave EPR of metal ions
- Rapid-scan EPR
- Pulse EPR

Admission to the summer school will be free of charge and will include all course materials and supplies, accommodation in University of Denver dormitory housing for 4 nights, all meals, and an excursion to the Rocky Mountains. Applications will be accepted from all academic and professional levels but the school will be limited to under 50 participants. To apply for admission, please email a CV along with a brief (one page or less) description of your research and/or reason for your interest in EPR spectroscopy to Gary Gerfen at [gary.gerfen@einstein.yu.edu](mailto:gary.gerfen@einstein.yu.edu). To ensure consideration of your application, please submit it on or before **March 1, 2019**. Selection of participants will be made by the executive boards of IES and SharedEPR. Notification of admission will be given by March 15, 2019. A limited number of travel stipends will be available to qualified participants. Further information will be made available at the websites of IES ([www.ieprs.org](http://www.ieprs.org)) and SharedEPR ([www.sharedepr.org](http://www.sharedepr.org)). Questions can be emailed to Gary Gerfen.

